

# Comparisons of Job Characteristics

**Focus Occupation:** [Petroleum Pump System Operators, Refinery Operators, and Gaugers \(51-8093\)](#)

**Associated Occupation:** [Chemical Plant and System Operators \(51-8091\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 78

**Focus Occupation:** Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093)

**Associated Occupation:** Chemical Plant and System Operators (51-8091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Production and Processing	6.0	17.6	6.5	<<	Extensive education and/or training may be required
Mechanical	6.8	15.1	13.1	<	Expanded education and/or training may be required
Chemistry	4.8	12.2	6.5	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	11.6	7.2	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	10.5	9.2	<	Expanded education and/or training may be required
Physics	4.3	7.2	4.6	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 95

**Focus Occupation:** Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093)

**Associated Occupation:** Chemical Plant and System Operators (51-8091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	15.9	15.9	0	Current skill level may be sufficient
Operation and Control	5.4	13.6	11.6	<	A higher skill level may be required
Monitoring	9.9	12.9	12.2	0	Current skill level may be sufficient
Quality Control Analysis	5.9	11.5	11.0	0	Current skill level may be sufficient
Repairing	3.4	7.5	7.1	0	Current skill level may be sufficient

Equipment Maintenance	3.5	7.1	7.9	>	Skill level is likely sufficient
-----------------------	-----	-----	-----	---	----------------------------------

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 93			
Focus Occupation: Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093) Associated Occupation: Chemical Plant and System Operators (51-8091)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Selective Attention	8.7	12.8	11.8	0	Current ability level may be sufficient
Far Vision	7.8	11.6	10.7	0	Current ability level may be sufficient
Perceptual Speed	7.4	11.4	13.2	>	Current ability level is likely sufficient
Auditory Attention	5.9	11.1	11.8	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	10.1	9.8	0	Current ability level may be sufficient
Response Orientation	4.0	8.8	8.3	0	Current ability level may be sufficient
Speed of Closure	5.9	8.7	8.8	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	6.9	7.2	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 93
Focus Occupation: Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093) Associated Occupation: Chemical Plant and System Operators (51-8091)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Clean equipment or machinery	20	
Collect samples for testing	58	
Confer with engineering, technical or manufacturing personnel	25	
Inspect machinery or equipment to determine adjustments or repairs needed	42	
Maintain consistent production quality	50	
Maintain or repair industrial or related equipment/machinery	39	
Maintain production or work records	19	
Measure, weigh, or count products or materials	17	
Monitor production machinery/equipment operation to detect problems	27	
Operate chemical processing equipment	77	
Operate power driven pumps	66	
Perform safety inspections in manufacturing or industrial setting	33	
Read work order, instructions, formulas, or processing charts	9	
Test materials or solutions	73	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Petroleum Pump System Operators, Refinery Operators, and Gaugers (51-8093)**  
**Associated Occupation: Chemical Plant and System Operators (51-8091)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.